Index of Claims

| Application No | ١. |
|----------------|----|
|----------------|----|

10/657,788

YANASE ET AL

Examiner

Art Unit

Applicant(s)

Thomas N Moulis

3747

Rejected Allowed

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
|   |                                |

Restricted

| Z | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla      | aim      |          |          |                       | Di           | ate      |               |          |               |           | Cla          | aim      |  |                       | Date   | ;                  |               |       | Cla      | aim      |                 |          | ]              | Date         | 9        |                |          |          |
|----------|----------|----------|----------|-----------------------|--------------|----------|---------------|----------|---------------|-----------|--------------|----------|--|-----------------------|--|--------------------|---------------|-------|----------|----------|-----------------|----------|----------------|--------------|----------|----------------|----------|----------|
|          |          |          |          |                       | T            | 1        |               |          | Т             |           |              |          |  |                       | 1.   |                    | T             |       |          |          | T               |          |                |              |          |                | $\neg$   |          |
| ल        | Original | 8        |          |                       |              |          |               |          |               |           | ō            | Original |  |                       |  |                    |               | 3.00  | a        | Original |                 |          |                |              |          | 1              | ŀ        |          |
| Final    | <u>.</u> | 8/6/04   |          |                       |              |          |               |          | - 1           |           | Final        | <u>.</u> |  |                       |  |                    |               | H.    | Final    | ij       |                 |          |                |              |          | . 1            |          | - 1      |
| _        | Ō        | 8        |          |                       |              |          |               |          |               |           | _            | 0        |  |                       | 1  |                    | 1 1           |       | _        | O        |                 |          |                |              |          | i l            |          |          |
| 1        | 1        | =        | -        |                       | +            | -+       |               | $\dashv$ | +             | -         |              | 51       |  |                       | +  |                    | +             | -     |          | 101      |                 |          | -              |              | H        | $\overline{}$  | $\dashv$ | $\dashv$ |
| 2        | 2        | -        |          |                       | +            | $\dashv$ |               | -        |               |           |              | 52       | <del> </del>                                     |                       | +  |                    | + +           | -     |          | 102      | $\vdash$        | +        | 1              |              |          | $\vdash$       |          |          |
| 3        | 3        | +        |          | -                     |              | -        | -             | $\dashv$ | +             | -         | -            | 53       | <del>  </del>                                    | <del>  </del>         |  |                    | +             | - 1   |          | 103      | $\dashv$        |          | ├—             |              |          |                |          |          |
|          |          | H        |          |                       | +            | $\dashv$ | $\dashv$      | -        |               | -         | -            | 54       |  | <del>  </del>         | +  |                    | ╁╌┟╌          | -     |          | 103      |                 | -        | ├_             | -            |          | $\vdash$       | $\dashv$ |          |
| 4        | 4        | $\sqcup$ | -        | $\vdash$              | +            | -+       | $\dashv$      | -        | +             | -         |              | 54       | -+   | -                     | +-   |                    | ┼┼            | -     |          |          |                 |          | ├              | _            | Н        | $\vdash$       | $\dashv$ | $\dashv$ |
| 5        | 5        | J        | _        | +                     | +            | $\dashv$ | $\dashv$      | $\dashv$ | +             | 4         |              | 55       |  | $\vdash$              | <del>                                     </del> |                    | ╂╂-           | -     |          | 105      | $\dashv$        |          | ļ              | -            | $\vdash$ | $\vdash$       | $\dashv$ | $\dashv$ |
|          | 6        | _        | _        |                       | -            |          |               | $\dashv$ | _             | -125      |              | 56       |  | $\vdash$              | Į.   |                    | <b>├</b> }    | 4     |          | 106      |                 |          |                |              |          | $\vdash$       | $\dashv$ |          |
|          | 7        | -        |          |                       | -            | -        |               |          | _             | 4         |              | 57       |  |                       | ┿  |                    |               | 4     |          | 107      | -               |          |                |              |          | $\vdash$       | $\dashv$ |          |
|          | 8        | <u> </u> |          | $\vdash$              | 4            | -        |               |          | _             | -/13      |              | 58       | <b></b>  |                       |  | _                  | 1             | -1811 |          | 108      | $\vdash$        | _        | ₩              |              |          | <del></del>    | _        |          |
|          | 9        | <u> </u> | _        |                       | 4            | 4        | _             |          |               | 457       |              | 59       |  |                       | 4  |                    | ++            | -     |          | 109      |                 |          | 1              |              |          | $\vdash$       |          |          |
|          | 10       | <u> </u> |          |                       | _            | _        | _             | _        | _             |           |              | 60       |  |                       | ļ  |                    |               |       |          | 110      |                 |          | ļ              |              |          | $\sqcup$       |          | _        |
| L        | 11       |          | <u> </u> | $oxed{oxed}$          | $\perp$      | _        | _             |          |               | _         |              | 61       | $\sqcup \bot$                                    |                       | $\perp$  |                    | +             |       |          | 111      | <u> </u>        |          | $\perp$        | _            | Ш        | Ц              |          |          |
| L        | 12       |          |          |                       |              | _        |               |          |               |           | ļ            | 62       |  |                       | 1_   |                    | $\perp \perp$ |       |          | 112      | $\sqcup \bot$   |          | $\perp$        | L            | Ш        | $\sqcup$       |          |          |
|          | 13       | L_       | <u></u>  |                       | $\perp$      | $\perp$  |               |          |               |           | <u> </u>     | 63       | oxdot  |                       |  |                    | $\bot \bot$   |       |          | 113      |                 |          | <u>L</u>       |              |          | Ш              |          |          |
|          | 14       |          |          |                       |              |          |               |          |               |           |              | 64       |  |                       |  |                    |               |       |          | 114      |                 |          |                |              |          | $\Box$         | ]        |          |
|          | 15       |          |          |                       | $\perp$      |          |               |          |               |           |              | 65       |  |                       |  |                    |               |       | L        | 115      |                 |          |                |              |          |                |          |          |
|          | 16       | L        | L        |                       | $_{ m I}$    |          | _]            |          | $\Box$        |           |              | 66       |  | $\prod$               |  |                    |               |       |          | 116      |                 |          | Ĺ              | L            |          |                |          |          |
|          | 17       |          |          |                       | T            | $\top$   |               | $\Box$   |               |           |              | 67       |  |                       |  |                    |               |       |          | 117      |                 |          |                |              |          |                |          |          |
|          | 18       |          |          |                       | T            | T        |               | 丁        |               |           |              | 68       |  |                       | 1  |                    | 1-1-          | 7     |          | 118      |                 |          | 1              | Г            |          | П              | $\neg$   |          |
|          | 19       |          |          |                       | 十            | $\neg$   |               | $\neg$   |               |           |              | 69       |  |                       | 1  |                    | 1-1-          | 1     |          | 119      |                 |          | 1              |              |          |                | $\neg$   |          |
|          | 20       |          |          |                       | $\top$       | _        |               | 寸        | 十             |           |              | 70       |  |                       | $\top$   |                    |               | T.    |          | 120      | $\Box$          |          | 1              |              |          | $\sqcap$       | $\neg$   |          |
|          | 21       |          | -        | H                     | $\top$       | $\dashv$ | $\neg$        | $\neg$   | 十             |           |              | 71       |  |                       |  |                    |               | 1     |          | 121      | Ħ               | 1        |                |              |          | П              | $\neg$   |          |
|          | 22       | ···      |          | $\vdash$              | $^{\dagger}$ | $\dashv$ | T             | _        | $\dashv$      | 7         | $\vdash$     | 72       |  | $\vdash$              | +  | $\neg \vdash$      | <del>  </del> |       |          | 122      |                 | +        |                |              | H        | $\Box$         | $\dashv$ |          |
| -        | 23       | -        | -        | $\vdash$              | +            | $\dashv$ | $\dashv$      | $\dashv$ | $\dashv$      |           | <b>-</b>     | 73       |  | $\vdash$              | +  | -                  | +++-          | 1     | -        | 123      | Ħ               | $\top$   |                |              |          | H              | $\dashv$ |          |
|          | 24       |          |          | $\vdash$              | +            | +        |               | $\dashv$ | -+            |           | <del> </del> | 74       | $\vdash$   | H                     | +  |                    | + +           | -     | <b>-</b> | 124      | $\vdash$        | +        | ╁╌             | ├            |          | $\vdash$       | $\dashv$ | -        |
|          | 25       |          |          | H                     | +            | $\dashv$ | 十             | $\dashv$ | $\dashv$      | -6.5      |              | 74<br>75 | <del>                                     </del> |                       | +-   |                    | +-            | -     |          | 125      |                 |          | $\vdash$       | H            | H        | $\vdash$       |          |          |
|          | 26       | ├        | _        | $\vdash$              | +            | $\dashv$ | $\dashv$      | $\dashv$ | $\dashv$      | $\dashv$  |              | 76       | $\vdash$   | $\vdash$              | +  | $\dashv$           | +             | 1     |          | 126      | $\vdash$        | +        | $\vdash$       |              | H        | $\vdash$       | $\dashv$ |          |
| <b></b>  | 27       |          | ├─       | H                     | +            | +        | $\dashv$      | $\dashv$ | $\dashv$      | -         |              | 77       |  | H                     | +-   | $\dashv$           | +             | -     | <b></b>  | 127      |                 | +        | $\vdash$       | -            | Н        |                | $\dashv$ | -        |
|          | 28       | ├        | -        | $\vdash$              | +            | $\dashv$ | $\dashv$      | $\dashv$ | $\dashv$      |           |              | 78       | <del>                                     </del> |                       | +  |                    | + +           | -     |          | 128      | -               |          | ╁              |              | H        | $\vdash$       |          |          |
|          | 29       |          |          | $\vdash$              | +            | -+       | $\dashv$      | -        | $\dashv$      | $\exists$ |              | 79       | $\vdash\vdash$                                   | $\vdash$              | +  | +                  | + +           | -     | <u> </u> | 129      | $\vdash$        | +        | ⊢              |              | $\vdash$ | $\vdash$       | $\dashv$ | $\dashv$ |
| <u> </u> | 30       | <u> </u> | <u> </u> | ┝╌┼╴                  | +            | -+       | +             | $\dashv$ |               | -103      | <b> </b>     | 80       | $\vdash$   |                       | +  |                    | +-            | -122  | ļ        | 130      |                 |          | ┼─             | ├            | -        |                | $\dashv$ | -        |
| <u> </u> | 30       | -        | ļ        | -                     |              |          |               |          |               | -10       |              |          | <del>                                     </del> |                       | +  |                    | +             | -     |          | 130      | -               | +        | $\vdash$       | $\vdash$     | H        | $\vdash$       | $\dashv$ | _        |
|          | 31       | <u> </u> |          | $\vdash$              | +            | $\dashv$ | _             |          | -             | -         | -            | 81       | <del>                                     </del> | -                     | +  |                    | +             | -     | ļ        | 131      | -               | +        | ⊢              | ⊢            | H        | $\vdash$       | $\dashv$ |          |
| -        | 32       | <u> </u> | <u> </u> | -                     | -            | -        |               |          |               | -411      | <u> </u>     | 82       | $\vdash$   | $\vdash$              | ╄  |                    | +             | -     | -        | 132      | -               |          | $\vdash$       | ├-           | -        | $\vdash$       |          |          |
| <u> </u> | 33       | -        | $\vdash$ | $\vdash \vdash$       | +            | $\dashv$ | -             |          | -             | _         | ļ            | 83       |  |                       | -  | _                  | +             | -     | ļ        | 133      | -               |          | <del> </del> - | $\vdash$     | <u> </u> |                |          |          |
|          | 34       |          |          | <del>     </del>      | +            | $\dashv$ | $\rightarrow$ | _        | $\dashv$      | -         | <u> </u>     | 84       | <del>                                     </del> | $\vdash \vdash$       | +  | +                  | +             | 4     | ļ        | 134      | $\vdash \vdash$ |          | ـ              |              | $\vdash$ |                |          |          |
|          | 35       | 1        | <u> </u> | $\vdash \vdash$       | $\bot$       | 4        | _             |          | _             | 400       | <u> </u>     | 85       | <del>                                     </del> | $\vdash$              | +  | $\perp$            | ++            | 4     |          | 135      | $\vdash \vdash$ | +        | ـ              | <b>├</b> ─   | $\vdash$ | $\vdash$       | _        |          |
|          | 36       |          | <u> </u> | $\vdash \vdash$       | 4            | _        | _             |          | $\perp$       |           | <u> </u>     | 86       | $\sqcup \bot$                                    | $\perp$               | _  | -                  | 4             | 4.1   | <u> </u> | 136      | -               |          | 1              | <del> </del> | <u> </u> | <del>   </del> |          |          |
|          | 37       | _        | _        | $\sqcup \bot$         | 4            | _        | _             |          |               | _         | ļ            | 87       | $\vdash$   |                       | 4-   |                    | 4-4-          | 4     | <u> </u> | 137      |                 | -        | $\vdash$       | $\vdash$     | L.       | $\sqcup$       |          |          |
|          | 38       |          |          | $\sqcup \!\!\! \perp$ | 1            | _ ‡      |               |          |               |           | L            | 88       | $\sqcup \bot$                                    |                       | 1  | $\perp$            | $\bot\bot$    | 40    | ļ        | 138      | Ц.              |          | 1_             | _            | Ш        | $\square$      |          |          |
| L        | 39       |          |          | $oxed{oxed}$          | 4            |          | 1             |          |               |           | <u> </u>     | 89       |  | $\sqcup \!\!\! \perp$ | 1  | $\perp$            | $\bot \bot$   |       | <u> </u> | 139      |                 | $\bot$   | $\perp$        | <u> </u>     | L        | Ш              |          |          |
|          | 40       |          |          | oxdot                 |              |          |               |          |               |           | <u></u>      | 90       |  | $\sqcup \bot$         | i<br>ti  | $\perp$            | $\perp$       | 111   |          | 140      | Ш               |          | $\perp$        | <u> </u>     | Ш        | Ш              |          |          |
|          | 41       | L        | L        |                       |              |          |               |          |               |           | <u></u>      | 91       |  |                       | 1  | $\perp \!\! \perp$ |               |       | <u> </u> | 141      |                 | _ _      | <u> </u>       |              |          | Ш              |          |          |
| L        | 42       | _        |          |                       | $\perp$      |          |               |          |               |           | <u></u>      | 92       | $\sqcup \bot$                                    |                       | ,  |                    |               |       |          | 142      | Ш               |          | 1_             | L            |          | Ш              |          |          |
|          | 43       | L        | L        | L_T                   | $\perp$      |          | $\Box$        |          | $\bot \Gamma$ |           |              | 93       |  | $oxed{\mathbb{L}}$    |  |                    |               |       |          | 143      |                 |          | L              | L            |          |                |          |          |
|          | 44       |          |          |                       | T            | T        | T             |          | T             |           |              | 94       |  |                       | <u> </u>   |                    |               |       |          | 144      |                 |          |                |              |          |                |          |          |
|          | 45       |          |          |                       | $\top$       | $\neg$   | $\neg$        | $\neg$   | $\top$        |           |              | 95       |  |                       |  |                    |               | 7     |          | 145      |                 | T        |                | П            |          | $\Box$         |          |          |
|          | 46       |          |          |                       |              |          |               |          |               | 7         |              | 96       |  |                       | 1  |                    | T             | 1     |          | 146      |                 |          | Γ              |              |          | $\sqcap$       | $\neg$   |          |
|          | 47       |          |          |                       | $\top$       | $\dashv$ |               | _        |               | 7         |              | 97       |  | $\sqcap$              | 1  |                    | $\top$        | 747   |          | 147      | $\Box$          | 1        | 1              | Г            | П        | $\Box$         |          |          |
|          | 48       | Ι_       |          | $\Box$                | $\top$       |          | $\neg$        | 寸        |               |           |              | 98       | $\sqcap$   |                       |  |                    | +             | 1     |          | 148      | $\Box$          | 十        |                |              | П        | П              | $\neg$   |          |
|          | 49       |          |          |                       | $\top$       | $\dashv$ | $\dashv$      | $\dashv$ | 十             |           |              | 99       |  |                       | 1  | _                  | ++            | 1     | <b></b>  | 149      | $\vdash$        | $\top$   | <b>†</b>       |              |          | П              | -        |          |
|          | 50       |          |          |                       | $\top$       | $\dashv$ | 7             | _        | 十             |           |              | 100      |  | $\vdash$              | 1  |                    | ++            | 1     |          | 150      | $\vdash$        | $\dashv$ | $\vdash$       | $\vdash$     | $\vdash$ | $\sqcap$       | $\dashv$ | _        |
| <u> </u> |          | <u> </u> |          | Ц.,,,                 |              |          |               |          | i_            | 1455.0    | L            | 1.00     |  |                       |  |                    |               | _     |          | _ ,,,,,  |                 |          | Ь.             | L            | 1        | للت            |          |          |